# Laboratory Technician (Electronics) (G6) - (2025/0209 (234255))

Organization: NSNS-Nucl.Security of Materials outside of Reg.Control Sec.
Primary Location: Austria-Lower Austria-Seibersdorf-IAEA Laboratories in Seibersdorf
Job Posting: 2025-05-12, 9:32:36 AM
Closing Date: 2025-06-02, 11:59:00 PM
Duration in Months: 24
Contract Type: Fixed Term - Extrabudgetary
Probation Period: 1 Year
Full Competitive Recruitment: Yes

This selection exercise may be used to generate a roster of pre-approved candidates to address future staffing needs for similar functions in any of the Departments and Offices of the Organization.

IMPORTANT NOTICE REGARDING APPLICATION DEADLINE: Please note that the closing date for submission of applications is indicated in local time as per the time zone of the applicant's location.

## Organizational Setting

The Department of Nuclear Safety and Security (NS) formulates and implements the IAEA's nuclear safety and security programme, which encompasses the Agency's activities to protect people and the environment from radiation exposure and responds to the needs of its Member States related to nuclear safety and nuclear security.

The Division of Nuclear Security (NSNS) is responsible, upon request, for establishing, coordinating and implementing the IAEA's nuclear security programme to protect against, detect and respond to nuclear security events and threats thereof. NSNS comprises four Sections:

•Information Management Section
•Nuclear Security of Materials Outside of Regulatory Control Section
•Nuclear Security of Materials and Facilities Section
•Programme Development and International Cooperation Section

The Nuclear Security of Materials Outside of Regulatory Control Section (MORC) is responsible for activities that assist States, upon request, in establishing and maintaining nuclear security systems and measures for the prevention and detection of, and response to, nuclear and other radioactive material outside of regulatory control. These activities include developing nuclear security guidance in the area of nuclear security of materials outside of regulatory control, that is consistent with the relevant binding and non-binding international instruments, as well as providing assistance, upon request, to Member States in implementing their nuclear security frameworks. In addition, the Section conducts the International Nuclear Security Advisory Service (INSServ) and expert missions, upon request, to help Member States to establish and maintain effective nuclear security regimes, assists in capacity building, including education and training through international, regional and national training courses and workshops, develops methodologies, and assists in security upgrades relating to nuclear and radioactive material detection and response capabilities. The Section implements Coordinated Research Projects and technical meetings in the field of nuclear security of MORC and assists Member States in the implementation of nuclear security systems and measures to support Major Public Events.

## Main Purpose

Under the direct supervision of the Section Head, the Laboratory Technician (Electronics) assist in the management and maintenance of different equipment used at the Nuclear Security Training and Demonstration Centre (NSDTC) in the field of control and data acquisition of scientific instruments, microprocessor applications and information communication technology. In addition, he/she provides assistance in the training and technical backstopping support to applied research and development projects and training courses offered to Member State experts.

## Functions / Key Results Expected

• Assist the team in the control and data acquisition of scientific instruments, microprocessor applications and information communication technology of nuclear security instrumentation.

• Prepare, and ensure in good working order, all equipment and training kits required for various nuclear security training courses involving instrumentation systems and microprocessor applications.
• Assist in the training of fellows and other trainees from Member States on effective use of nuclear instrumentation for radiation detection, spectrometry and other nuclear security applications.

*The incumbent may perform his/her work in areas involving exposure to radioactive materials. Therefore, as an Occupationally Exposed Worker, he/she must be medically cleared by VIC Medical Service and is subject to an appropriate radiation and health monitoring programme, in accordance with the IAEA's Radiation Safety Regulations.*

## Competencies and Expertise

### **Core Competencies**(Competency Framework)

| **Name** | **Definition** |
|---|---|
| Communication | Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen to and understand the perspectives of others and proposes solutions. |
| Achieving Results | Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned. |
| Teamwork | Actively contributes to achieving team results. Supports team decisions. |
| Planning and Organizing | Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans. |

### Functional Competencies

| **Name** | **Definition** |
|---|---|
| Client orientation | Helps clients to analyse their needs. Seeks to understand service needs from the client's perspective and ensure that the client's standards are met. |
| Judgement/decision making | Consults with supervisor/manager and takes decisions in full compliance with the Agency's regulations and rules. Makes decisions reflecting best practice and professional theories and standards. |
| Technical/scientific credibility | Ensures that work is in compliance with internationally accepted professional standards and scientific methods. Provides scientifically/technically accepted information that is credible and reliable. |

### Required Expertise

| **Function** | **Name** | **Expertise Description** |
|---|---|---|
| Administrative Support | MS Office (Word, Excel, Outlook, PowerPoint) | Good computer skills, including experience in the use of programming language and good knowledge of Microsoft Office |
| Physics | Nuclear Instrumentation | Good knowledge of electronics, software interfaces and their applications to nuclear instrumentation systems Ability to comply and carefully follow nuclear laboratory procedures and safety requirements. |

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|---|---|---|
| Nuclear Engineering | Quality Assurance and Control | Familiarity with quality systems and quality assurance/quality control measures in a laboratory environment |

## Qualifications, Experience and Language skills

- Completed secondary education. Post-secondary studies with certification or degree in physics or electronics engineering, is an asset.
- Minimum of six years of relevant working experience in the field of instrumentation, electronics and measurement technology.
- Extensive experience and knowledge of hardware and software interfacing with scientific instruments, virtual instrumentation and microprocessor applications, preferably in the field of nuclear security instrumentation.
- Experience in teaching and practical training in the field of nuclear security instrumentation is an asset.
- Working knowledge of gamma spectrometry techniques is an asset.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.
- Administrative skills test to IAEA standard may be part of the process.

## Remuneration

The IAEA offers an attractive remuneration package including a tax-free annual net base salary starting at EUR 66981 (subject to mandatory deductions for pension contributions and health insurance), 6 weeks' annual vacation, pension plan and health insurance. More information on the conditions of employment can be found at: https://www.iaea.org/about/employment/general-service-staff

## General Information

- The IAEA's paramount consideration in the recruitment of staff member is to secure employees of the highest standards of efficiency, technical competence and integrity.
- Staff Members shall be selected without any unfair treatment or arbitrary distinction based on a person's race, sex, gender, sexual orientation, gender identity, gender expression, religion, nationality, ethnic origin, disability, age, language, social origin or other similar shared characteristic or trait.
- The IAEA is committed to gender equality and to promoting a diverse workforce.
- Recruitment will be on a LOCAL BASIS only.
- Applicants should be aware that IAEA staff members are international civil servants and may not accept instructions from any other authority. The IAEA is committed to applying the highest ethical standards in carrying out its mandate. As part of the United Nations common system, the IAEA subscribes to the following core ethical standards (or values): Integrity, Professionalism and Respect for diversity.
- The IAEA has a zero-tolerance policy on conduct that is incompatible with the aims and objectives of the United Nations and the IAEA, including sexual harassment, abuse of authority and discrimination.

## Evaluation process

- The evaluation of applicants will be conducted on the basis of the information submitted in the application according to the selection criteria stated in the vacancy announcement. Applicants must provide complete and accurate information. Evaluation of qualified candidates may include an assessment exercise, which may be followed by a competency-based interview.
- Candidates under serious consideration for selection may be subject to reference and background checks as part of the recruitment process.

## Appointment information

- Appointment is subject to a satisfactory medical report.

- Staff members may be assigned to any location.
- The IAEA retains the discretion not to make any appointment to this vacancy, to make an appointment at a lower grade or with a different contract type, or to make an appointment with a modified job description or for shorter duration than indicated above.